

Serial No. 10/601,050

Docket No. GTW-0150/P1946US00

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A system useful for storing a television program P, comprising:
 - a PVR having a first memory, a network interface device, and logic configured to copy the television program P into memory;
 - a network communicatively connected to said network interface device;
 - a personal computer connected to the network;
 - a second memory in communication with the PVR via the network interface device;
 - virtual storage management (VSM) logic configured to track the location of the second memory on the network, and to store a portion of the program P in the second memory;
 - wherein the VSM logic is configured to track one or more logical addresses of the second memory on the network for storing a plurality of portions of the program P including said portion.
2. (Original) A system in accordance with claim 1, wherein the VSM logic is configured to track the total amount of memory storage on the network that is available for storing at least a portion of a program.

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3. (Original) A system in accordance with claim 1, wherein the VSM logic is configured to track the memory locations of a plurality of portions P(i) of the program P.

4. (Original) A system in accordance with claim 1, wherein the VSM logic is configured to perform at least one of:

- (a) track which memory devices on the network are currently active in recording or playback;
- (b) track which disks on the network are on-line and off-line;
- (c) track the memory locations of previously stored programs;
- (d) inform the user when a memory device holding at least a part of a program is off-line;
- (e) request the user to bring on-line a memory device that is off-line;
- (f) inform a user before the total available on-line memory runs out;
- (g) allow the user to set a memory lower limit for the VSM logic to inform the user prior to running out of memory; and
- (h) after informing the user of the memory lower limit condition, further provide the user of the option to erase previously stored programs in real time.

5. (Original) A system in accordance with claim 1, further comprising:

an archival memory device in communication with the PVR; and
archival storage management (ASM) logic configured to store the program P on the archival memory device.

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6. (Original) A system in accordance with claim 6, wherein the archival memory device comprises a DVD-R device.

7. (Original) A system in accordance with claim 1, wherein the first memory and the second memory each comprise a hard disk drive.

8. (Currently Amended) A system useful for storing a television program P, comprising:

a PVR having a first memory, a network interface device, and means for copying the television program P into memory;

a network communicatively connected to said network interface device;

a personal computer connected to the network;

a second memory in communication with the PVR via the network interface device;

virtual storage management (VSM) means for tracking the location of the second memory on the network, and storing a portion of the program P in the second memory;

wherein the VSM means is configured as part of the PVR to track one or more logical addresses of the second memory on the network for storing a plurality of portions of the program P including said portion.

9. (Original) A system in accordance with claim 8, wherein the VSM means is for tracking the total amount of memory storage on the network that is available for storing at least a portion of a program.

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10. (Original) A system in accordance with claim 8, wherein the VSM means is for tracking the memory locations of a plurality of portions P(i) of the program P.

11. (Original) A system in accordance with claim 8, wherein the VSM means is for at least one of:

- (a) tracking which memory devices on the network are currently active in recording or playback;
- (b) tracking which disks on the network are on-line and off-line;
- (c) tracking the memory locations of previously stored programs;
- (d) informing the user when a memory device holding at least a part of a program is off-line; and
- (e) requesting the user to bring on-line a memory device that is off-line;
- (f) informing a user before the total available on-line memory runs out;
- (g) allowing the user to set a memory lower limit for the VSM logic to inform the user prior to running out of memory; and
- (h) after informing the user of the memory lower limit condition, further providing the user of the option to erase previously stored programs in real time.

12. (Original) A system in accordance with claim 8, further comprising:

an archival memory device in communication with the PVR; and
archival storage management (ASM) means for storing the program P on the archival memory device.

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13. (Original) A system in accordance with claim 12, wherein the archival memory device comprises a DVD-R device.

14. (Original) A system in accordance with claim 8, wherein the first memory and the second memory each comprise a hard disk drive.

15. (Currently Amended) A method of storing a television program P using a PVR having a first memory device, the method comprising:

providing a network communicatively connected to a personal computer;

identifying a second memory device that is not full on [[a]] the network in communication with the PVR;

storing at least a portion of the program in the second memory device; and

using VSM logic of the PVR to track one or more logical addresses of the second memory on the network for storing a plurality of portions of the program P including said portion.

16. (Previously Presented) A method in accordance with claim 15, wherein said portion is one of i portions P(i) of the plurality of portions, with i>1, and further comprising:

storing a first portion P1 of the program P in the first memory device.

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17. (Original) A method in accordance with claim 15, wherein identifying comprises identifying j memory devices that are not full on a network in communication with the PVR, and further comprising sequentially storing a portion of the program P on a memory device of the j memory devices until the entire program has been stored.

18. (Original) A method in accordance with claim 15, further comprising:

storing all portions of the program P on an archival memory device.

19. (Currently Amended) A method of playing back a program P using a PVR, the program stored in at least two portions, each portion stored on a separate memory device, each memory device in communication with the PVR, at least one of the memory devices in communication with the PVR via a network, said network being connected to a personal computer, the method comprising:

using VSM logic of the PVR to track locations of each of said portions stored on the separate memory devices, said locations including one or more logical addresses on each of the separate memory devices;

playing back a first portion through at least the PVR; and

playing back a second portion through the network and through the PVR.

20. (Previously Presented) A system in accordance with claim 1, wherein the VSM logic is configured as part of said PVR.

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21. (Previously Presented) A system in accordance with claim 1, further comprising:

wherein, upon detecting the second memory is off-line, the VSM logic is configured to provide an instruction to bring the second memory back on-line.

22. (Previously Presented) A system in accordance with claim 8, further comprising:

wherein, upon detecting the second memory to be unavailable for recording said portion of the program P, the VSM means is configured to provide an instruction to bring the second memory back on-line.

23. (Previously Presented) A method in accordance with claim 15, further comprising:

detecting the second memory to be off-line; and

providing an instruction to bring the second memory back on-line.

24. (Previously Presented) A method in accordance with claim 15, further comprising:

detecting the second memory to be unavailable for recording said portion of the program P; and

providing an instruction to bring the second memory back on-line.

25. (New) A system in accordance with claim 1, wherein the PVR is connected to the personal computer via said network.

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26. (New) A system in accordance with claim 8, wherein the PVR is connected to the personal computer via said network.

27. (New) A method in accordance with claim 15, further comprising:

establishing a connection between the PVR and the personal computer via said network.

28. (New) A method in accordance with claim 19, further comprising:

establishing a connection between the PVR and the personal computer via said network.